

**CONTINUING ELIGIBILITY INSPECTION (CEI) REPORT
FOR FLOOD CONTROL PROJECTS**

1. Project Name: Kuliouou Stream Flood Control Project

2. Date of Inspection: December 16, 2002

3. Inspection Personnel:

<u>Name</u>	<u>Agency/Office</u>	<u>Telephone No.</u>
a. Jim Pennaz	CEPOH-EC-T	438-8599
b. Eric Li	CEPOH-EC-T	438-8862
c. Hugh Liu	DFM/Road Main Div.	527-5337
d. John Trapio	DFM/Road Main Div.	

4. Discussion:

Several discrepancies were noted and brought to the attention of the C&C representatives during the inspection. The major deficiencies were as follows: (® denotes a repeat item from last inspection.) **Refer to alphabetical lettered "photo plan" in back of report for picture reference.** Conditions were cloudy and overcast. Tide was rising.

Table. Summary of Defects Requiring Maintenance

Station	Location	Defects
NA	Typical	Continue to remove vegetation from invert weep holes throughout the project. Suggest the investment and use of an auger.
NA	Typical	Continue to lubricate all flapgates.
NA	Typical	Continue to remove debris from invert throughout the project.
8+00	RB	Remove two encroaching beach naupaka trees.
8+00	LB	Remove encroaching shrubby vegetation overhanging bank.
7+80	RB	Remove banyan tree.
13+20	LB	Remove hanging boat encroachment.
13+20	channel	Monitor soil sediments which are trapping branch debris in channel.
18+53	LB	Replace small diameter missing flapgate.
18+58	RB	Repair small diameter frozen flapgate.
19+04	RB	Replace small diameter missing flapgate.
19+20	LB	Continue to monitor post condition of repaired concrete scouring at toe of wall.
19+24	RB	Lubricate frozen 18" flapgate.
22+00	channel	Continue to monitor post condition of patched cracked invert.
22+00	RB	Replace small diameter missing flapgate and clean out drain line.
27+50	RB	Monitor piping from weep hole.
29+50	RB (adjacent typical areas)	Redo sidewall concrete patching with improved concrete mixture.
31+85	LB	Redo sidewall concrete patching with improved concrete mixture.
29+50	RB	Caulk and monitor separation at top of

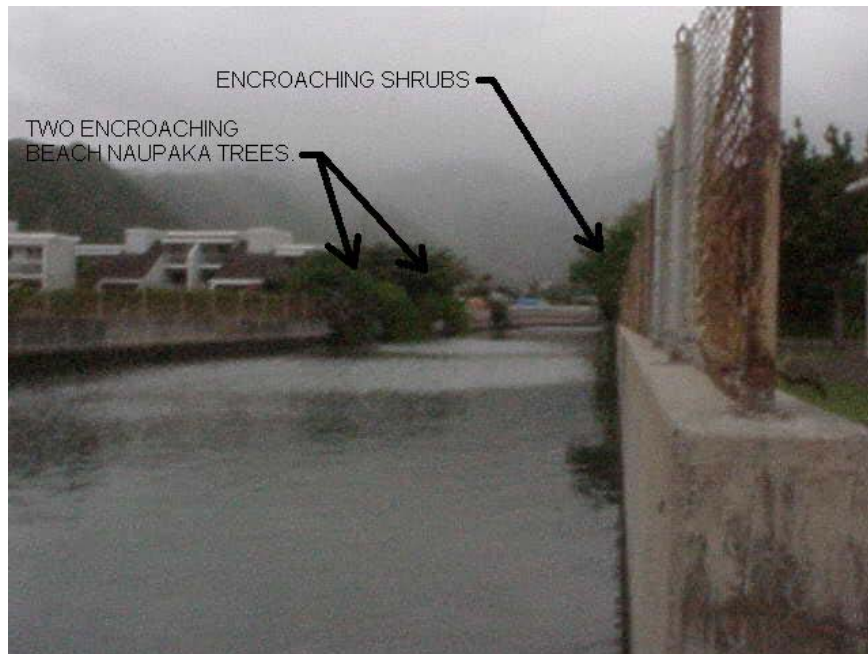
	construction joint.
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a. Sta. 4+70 fence has been replaced this year on LB and RB, approx. 200LF ®.



b. Sta. 4+90 flapgate still frozen, LB ®. However, it was determined the flapgate in this area was not necessary because backflow would enter into the beach park parking lot, and then sheet flow to the beach. There were also no reports of complaints in this area from a flood in the late 80's. Therefore, no maintenance is necessary.



c. Sta. 8+00, RB, remove two naupaka trees from sidewall of channel. Remove encroaching shrubs from left bank of channel sidewall ®.



d. Sta. 7+80, RB, remove banyan tree ®.



e. Sta. 13+20, LB, remove boat encroachment. Monitor sediment level in channel; branches inside the channel invert are caught by the sediment buildup.



f. Sta. ~~14+95~~ 18+53, LB, Replace missing flapgate. Unable to inspect due to tide rising in channel ®.



g. Sta. ~~15+00~~ 18+58, RB, Repair frozen 8" flapgate. Unable to inspect due to tide rising in channel ®.



h. Sta. ~~15+46~~ 19+04, RB, replace missing 8" flapgate ®.



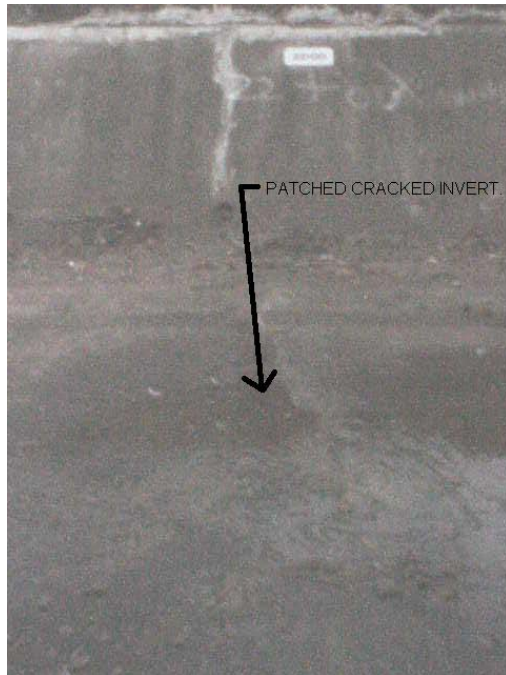
i. Sta. ~~15+60~~ - Sta. ~~15+7~~ 19+20, LB, sideslope/invert concrete scouring has been repaired. Continue to monitor condition of post repair job ®.



j. Sta. ~~15+80~~ 19+24, RB, lubricate frozen 18" flapgate ®.



k. Sta. 19+20, overview looking downstream.



l. Sta. 22+00, cracked invert has been patched. Continue to monitor post condition ®.



m. Sta. 22+00, RB, replace missing 4" flapgate and clean out drain line.



n. Sta. 27+50, RB, monitor gravelly rock and soil piping from weephole. Picture on left is from FY02. Picture on right is from FY03. Condition seems to be stable.



o. Sta. 29+50, RB, and Sta. 31+85 LB, redo concrete patching. Patchwork is flaking off sidewall probably due to excessive water content in concrete patch mixture. (Typical for all other patchwork areas with poor concrete mixture.)



p. Sta. 29+50, RB, Top-of-wall, Caulk construction joint and monitor possible separation ®.



q. Sta. 42+50, overview.



r. Sta. 47+00, overview of maintenance vehicular access to channel.



s. Sta. 47+00, overview.

5. Findings/Conclusions:

IAW ER 500-1-1, (dated 30 September 2001), and based on this CEI, the Project Condition Code is ACCEPTABLE and the project is considered ACTIVE in the Rehabilitation and Inspection Program.

Signed: _____
Eric Li, CEPOH-EC-T

Signed: _____
James Pennaz, P.E., CH, CEPOH-EC-T

Enclosure(s)

1. Site Plan
2. Photo Plan
3. Condition of Improvement dated 30 September 1991